

PRESORTED STANDARD U.S. POSTAGE PAID San Diego , CA PERMIT 134

Useful Phone Numbers

Earl Thomas Reservoir Facts and Figures

- Inside diameter 406'
- Water depth 38'
- 2,280 deliveries of 20,600 cubic yards of concrete enough concrete to cover a football field, 16 feet thick
- 58 reels of prestressing strand – 242 miles long if placed end to end – about the distance from San Diego to Santa Barbara

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Project Information Line:	619-533-4679
Billing Information:	619-515-3500
Recycled Water Program:	619-515-3500
Drinking Water Questions:	619-668-3233
Water Pressure Problems:	619-527-7482
Report a Water Main Break:	619-515-3525
Lakes Recreation Program:	619-465-3474
Speakers Bureau:	619-533-6638
Group Jobs Information:	858-573-5081
Storm Water Pollution Prevention:	619-235-1000
Water Theft Code Enforcement:	619-533-4151
EPA Drinking Water Information:	800-426-4791

AWTP Water Lines Alvarado Water Treatment Plant Construction Update

Phase I is Complete

he City of San Diego Water Department is pleased to announce the first phase of upgrades and expansions are complete at the Alvarado Water Treatment Plant.

The \$52 million project increased plant capacity from 120 million gallons of water a day (mgd) to 150 mgd. In addition to increasing drinking water capacity, new equipment and technologies have been installed at Alvarado. These improvements will ensure Alvarado keeps pace with the latest federal and state drinking water regulations, guaranteeing continued safe drinking water for San Diego residents and visitors.

Phase I Completed Activities:

- Completed eight new filter and rapid-mix facilities
- Replaced existing
 Lake Murray and College
 Ranch pump stations
- Constructed a new emergency electrical generator
- Constructed a new wash-water tank and demolished an existing wash-water tank
- Remodeled and upgraded the plant operations building
- Constructed raw water and finished water chemical facilities for treatment and disinfection



The new state-of-the-art control room is part of the Alvarado Water Treatment Plant Upgrade and Expansion Phase I upgrade to the plant operations building.

The Water

Department

Capital

Improvements

Program is

committed to

creating a safe

and reliable water

treatment and

distribution system

with state-of-the

art facilities at the

owest possible cost

to our customers.

The City of San Diego
Water Department



Water Conservation *Facts*

- San Diego has gone from 201 gallons per day (gpd) in 1989 to 166 gpd in 2002

 - the City's population increased by 10%
- San Diego's Water Conservation Program accounted for 18,452 acre feet per year (AFY) of water saved; that's 16.5 million gallons of water savings per day
- The goal of the City of San Diego Water Department is to achieve 26,000 acre feet (AF) of savings
- San Diego invested \$3.2 million on Water Conservation efforts in 2003
 - \$5.5 million total when including matching funds from non-City sources

Earl Thomas Reservoir is the Largest in the Country

■ he construction of the new Earl Thomas drinking water Reservoir is well underway. With the demolition and excavation completed on September 19, 2003, work on the new structure began on August 21, 2003. To maximize efficiencies, we simultaneously worked on the final grading on one section of the reservoir while pouring the foundation, floor and walls on a different section. When completed in the summer of 2005 the new reservoir will hold 35 million gallons of water. The new circular pre-stressed concrete reservoir will be the largest of its kind in the country.

Demolition and

The new Earl Thomas Reservoir will be connected to the two existing 21 million-gallon reservoirs located on the western side of the water treatment plant via a 900 foot long tunnel currently under construction. The Earl Thomas Reservoir will also be connected to the new filters which were constructed as part of Phase I.







torm drains are not connected to the wastewater treatment system. Sandbags, fences and other measures are in place near this construction site to prevent sediment and pollutants from entering the City's storm water conveyance system. Removing or altering these materials is illegal in accordance with the City of San Diego's

Municipal Code 142.0146 (b). Find out more about protecting our beaches, bays and watersheds at www.thinkbluesd.org.

to meet current standards and provide maximum

The Alvarado

Plant Upgrade

and Expansion

Department's

Program to

needs. These

Water Treatment